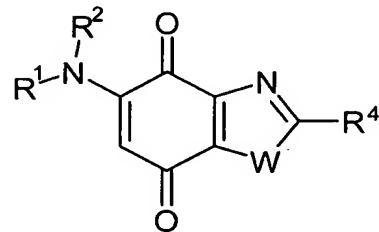


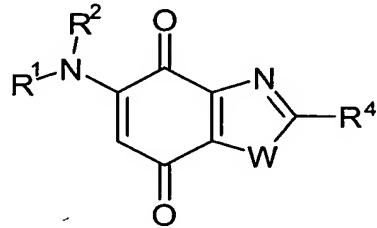
Claims

1. Process for the preparation of a compound of general formula (III)₁



(III)₁

or of a compound of general formula (III)₂



(III)₂

in which:

5 W represents a sulphur atom in general formula (III)₁ and an oxygen atom in general formula (III)₂,

10 R¹ represents a hydrogen atom or an alkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, -(CH₂)-X-Y, -(CH₂)-Z-NR⁵R⁶ radical or a -CHR³⁵R³⁶ radical in which R³⁵ and R³⁶ form together with the carbon atom which carries them an indanyl or tetralinyl radical, or also R³⁵ and R³⁶ form together with the carbon atom which carries them a saturated heterocycle containing 5 to 7 members and 1 to 2 heteroatoms chosen from O, N and S, the nitrogen atoms of said heterocycle being optionally substituted by radicals chosen from the alkyl radicals and the benzyl radical,

R¹ also being able, when W represents O, to represent moreover a carbocyclic aryl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl, haloalkyl or alkoxy radical,

5 X representing a bond or a linear or branched alkylene radical containing 1 to 5 carbon atoms,

Y representing a saturated carbon-containing cyclic system containing 1 to 3 condensed rings chosen independently from rings with 3 to 7 members, or Y representing a saturated heterocycle containing 1 to 2 heteroatoms chosen independently from O, N and S and attached to the X radical by an N or CH member, said saturated heterocycle 10 containing moreover 2 to 6 additional members chosen independently from -CHR⁷-, -CO-, -NR⁸-, -O- and -S-, R⁷ representing a hydrogen atom or an alkyl radical and R⁸ representing a hydrogen atom or an alkyl or aralkyl radical, or also Y representing a carbocyclic or heterocyclic aryl radical optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an 15 alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR⁹ radical and an NR¹⁰R¹¹ radical, R⁹ representing a hydrogen atom or an alkyl or phenyl radical, and R¹⁰ and R¹¹ independently representing alkyl radicals,

20 Z representing a bond or a linear or branched alkylene radical containing 1 to 5 carbon atoms,

R⁵ and R⁶ being chosen independently from a hydrogen atom, an alkyl, aralkyl or -(CH₂)_n-OH radical in which n represents an integer from 1 to 6,

or R⁵ representing an alkoxy carbonyl, haloalkoxy carbonyl or aralkoxy carbonyl radical and R⁶ representing a hydrogen atom or a methyl radical,

25 or also R⁵ and R⁶ forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR¹²R¹³-, -O-, -S- and -NR¹⁴- radicals, R¹² and R¹³ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R¹⁴ representing a hydrogen atom or an alkyl or aralkyl radical, or also R¹⁴ representing a phenyl radical optionally substituted 1 to 3 30 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

R² representing a hydrogen atom or an alkyl or aralkyl radical;

or also R¹ and R² forming together with the nitrogen atom a heterocycle with 4 to 8 35 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR¹⁵R¹⁶-, -O-, -S- and -NR¹⁷- radicals, R¹⁵ and R¹⁶ independently representing each time that they occur a

hydrogen atom or an alkyl radical, and R¹⁷ representing a hydrogen atom or an alkyl or aralkyl radical; and

5 R⁴ represents an alkyl, cycloalkyl, cycloalkylalkyl, cyano, amino, -CH₂-COOR¹⁸, -CH₂-CO-NR¹⁹R²⁰ or -CH₂-NR²¹R²² radical, or R⁴ represents a carbocyclic or heterocyclic aryl radical optionally substituted 1 to 4 times by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy, haloalkoxy or NR³⁷R³⁸ radical, or also R⁴ represents a phenyl radical possessing two substituents which form together a methylenedioxy or ethylenedioxy radical, R¹⁸ representing a hydrogen atom or an alkyl radical,

10 10 R¹⁹ representing a hydrogen atom, an alkyl radical or an aralkyl radical the aryl group of which is optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR²³ radical and an NR²⁴R²⁵ radical, R²³ representing a hydrogen atom or an alkyl or phenyl radical, and R²⁴ and R²⁵ independently representing alkyl radicals,

15 15 R²⁰ representing a hydrogen atom or an alkyl radical, or also R¹⁹ and R²⁰ forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR²⁶R²⁷-, -O-, -S- and -NR²⁸- radicals, R²⁶ and R²⁷ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R²⁸ representing a hydrogen atom or an alkyl or aralkyl radical, or also R²⁸ representing a phenyl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

20 20 R²¹ representing a hydrogen atom, an alkyl radical or an aralkyl radical the aryl group of which is optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR²⁹ radical and an NR³⁰R³¹ radical, R²⁹ representing a hydrogen atom or an alkyl or phenyl radical, and R³⁰ and R³¹ independently representing alkyl radicals,

25 25 R²² representing a hydrogen atom or an alkyl radical, or also R²¹ and R²² forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR³²R³³-, -O-, -S- and -NR³⁴- radicals, R³² and R³³ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R³⁴ representing a hydrogen atom, an alkyl or

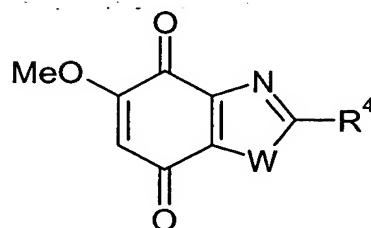
aralkyl radical, or also R^{34} representing a phenyl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

5 R^{37} and R^{38} being chosen independently from a hydrogen atom and an alkyl radical or R^{37} and R^{38} forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the $-CR^{39}R^{40}-$, $-O-$, $-S-$ and $-NR^{41}-$ radicals, R^{39} and R^{40} independently representing each time that they occur a hydrogen atom or an alkyl radical, and R^{41} representing a hydrogen atom or an alkyl radical,

10 or also R^4 represents a $-CH_2-Ar$ radical in which Ar represents an aryl radical optionally substituted 1 to 4 times (and in particular 1 to 3 times) by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy, haloalkoxy or $NR^{42}R^{43}$ radical, or also R^4 represents a biphenyl radical,

15 R^{42} and R^{43} being chosen independently from a hydrogen atom and an alkyl radical or R^{42} and R^{43} forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the $-CR^{44}R^{45}-$, $-O-$, $-S-$ and $-NR^{46}-$ radicals, R^{44} and R^{45} independently representing each time that they occur a hydrogen atom or an alkyl radical, and R^{46} representing a hydrogen atom or an alkyl radical;

20 said process being characterized in that the compound of general formula (A)



(A)

in which W represents a sulphur atom or an oxygen atom and R^4 has the same meaning as in general formula (III)₁ or (III)₂ is reacted with an amine of general formula R^1R^2NH in a protic solvent.

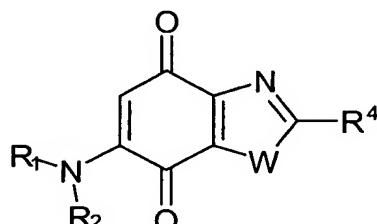
25 2. Process according to claim 1, characterized in that the compound of general formula (III)₁ or (III)₂ is such that:

- R^1 represents a $-(CH_2)-Z-NR^5R^6$ radical;

- R^2 represents a hydrogen atom; and
- R^4 represents an alkyl radical or also a phenyl, pyridyl, thienyl or furanyl radical optionally substituted by 1 to 4 (preferably 1 to 3) halogen atoms or by an $NR^{37}R^{38}$ radical or also R^4 represents a $-CH_2-Ar$ radical in which Ar represents a phenyl or naphthyl radical optionally substituted 1 to 4 times (and preferably 1 to 3 times) by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy or haloalkoxy radical.

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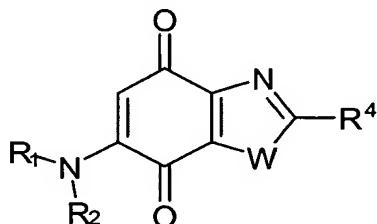
3. Process for the preparation of a compound of general formula (III)₃



(III)₃



or of a compound of general formula (III)4



(III)₄



10 in which:

W represents a sulphur atom in general formula (III)₃ and an oxygen atom in general formula (III)₄,

15 R^1 represents a hydrogen atom or an alkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, $-(CH_2)-X-Y$, $-(CH_2)-Z-NR^5R^6$ radical or a $-CHR^{35}R^{36}$ radical in which R^{35} and R^{36} form together with the carbon atom which carries them an indanyl or tetralinyl radical, or also R^{35} and R^{36} form together with the carbon atom which carries them a saturated heterocycle containing 5 to 7 members and 1 to 2 heteroatoms chosen from O, N and S, the nitrogen atoms of said heterocycle being optionally substituted by radicals chosen from the alkyl radicals and the benzyl radical,



R¹ also being able, when W represents O, to represent moreover a carbocyclic aryl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl, haloalkyl or alkoxy radical,

5 X representing a bond or a linear or branched alkylene radical containing 1 to 5 carbon atoms,

Y representing a saturated carbon-containing cyclic system containing 1 to 3 condensed rings chosen independently from rings with 3 to 7 members, or Y representing a saturated heterocycle containing 1 to 2 heteroatoms chosen independently from O, N and S and attached to the X radical by an N or CH member, said saturated heterocycle 10 containing moreover 2 to 6 additional members chosen independently from -CHR⁷-, -CO-, -NR⁸-, -O- and -S-, R⁷ representing a hydrogen atom or an alkyl radical and R⁸ representing a hydrogen atom or an alkyl or aralkyl radical, or also Y representing a carbocyclic or heterocyclic aryl radical optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an 15 alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR⁹ radical and an NR¹⁰R¹¹ radical, R⁹ representing a hydrogen atom or an alkyl or phenyl radical, and R¹⁰ and R¹¹ independently representing alkyl radicals,

20 Z representing a bond or a linear or branched alkylene radical containing 1 to 5 carbon atoms,

R⁵ and R⁶ being chosen independently from a hydrogen atom, an alkyl, aralkyl or -(CH₂)_n-OH radical in which n represents an integer from 1 to 6,

or R⁵ representing an alkoxy carbonyl, haloalkoxy carbonyl or aralkoxy carbonyl radical and R⁶ representing a hydrogen atom or a methyl radical,

25 or also R⁵ and R⁶ forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR¹²R¹³-, -O-, -S- and -NR¹⁴- radicals, R¹² and R¹³ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R¹⁴ representing a hydrogen atom or an alkyl or aralkyl radical, or also R¹⁴ representing a phenyl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

30 R² representing a hydrogen atom or an alkyl or aralkyl radical;

or also R¹ and R² forming together with the nitrogen atom a heterocycle with 4 to 8 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR¹⁵R¹⁶-, -O-, -S- and -NR¹⁷- radicals, R¹⁵ and R¹⁶ independently representing each time that they occur a

hydrogen atom or an alkyl radical, and R¹⁷ representing a hydrogen atom or an alkyl or aralkyl radical; and

R⁴ represents an alkyl, cycloalkyl, cycloalkylalkyl, cyano, amino, -CH₂-COOR¹⁸, -CH₂-CO-NR¹⁹R²⁰ or -CH₂-NR²¹R²² radical, or R⁴ represents a carbocyclic or heterocyclic aryl radical optionally substituted 1 to 4 times by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy, haloalkoxy or NR³⁷R³⁸ radical, or also R⁴ represents a phenyl radical possessing two substituents which form together a methylenedioxy or ethylenedioxy radical, R¹⁸ representing a hydrogen atom or an alkyl radical,

5 R¹⁹ representing a hydrogen atom, an alkyl radical or an aralkyl radical the aryl group of which is optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR²³ radical and an NR²⁴R²⁵ radical, R²³ representing a hydrogen atom or an alkyl or phenyl radical, and R²⁴ and R²⁵ independently representing alkyl radicals,

10 R²⁰ representing a hydrogen atom or an alkyl radical, or also R¹⁹ and R²⁰ forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR²⁶R²⁷-, -O-, -S- and -NR²⁸- radicals, R²⁶ and R²⁷ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R²⁸ representing a hydrogen atom or an alkyl or aralkyl radical, or also R²⁸ representing a phenyl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

15 R²¹ representing a hydrogen atom, an alkyl radical or an aralkyl radical the aryl group of which is optionally substituted 1 to 3 times by substituents chosen independently from the group constituted by a halogen atom, an alkyl radical, a haloalkyl radical, an alkoxy radical, a haloalkoxy radical, a hydroxy radical, a nitro radical, a cyano radical, the phenyl radical, an SO₂NHR²⁹ radical and an NR³⁰R³¹ radical, R²⁹ representing a hydrogen atom or an alkyl or phenyl radical, and R³⁰ and R³¹ independently representing alkyl radicals,

20 R²² representing a hydrogen atom or an alkyl radical, or also R²¹ and R²² forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the -CR³²R³³-, -O-, -S- and -NR³⁴- radicals, R³² and R³³ independently representing each time that they occur a hydrogen atom or an alkyl radical, and R³⁴ representing a hydrogen atom, an alkyl or

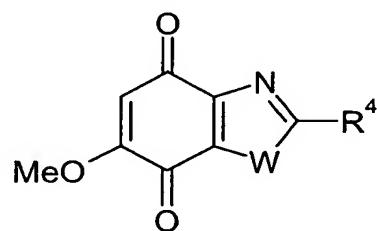
aralkyl radical, or also R^{34} representing a phenyl radical optionally substituted 1 to 3 times by substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

5 R^{37} and R^{38} being chosen independently from a hydrogen atom and an alkyl radical or R^{37} and R^{38} forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the $-CR^{39}R^{40}-$, $-O-$, $-S-$ and $-NR^{41}-$ radicals, R^{39} and R^{40} independently representing each time that they occur a hydrogen atom or an alkyl radical, and R^{41} representing a hydrogen atom or an alkyl radical;

10 or also R^4 represents a $-CH_2-Ar$ radical in which Ar represents an aryl radical optionally substituted 1 to 4 times (and in particular 1 to 3 times) by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy, haloalkoxy or $NR^{42}R^{43}$ radical, or also R^4 represents a biphenyl radical,

15 R^{42} and R^{43} being chosen independently from a hydrogen atom and an alkyl radical or R^{42} and R^{43} forming together with the nitrogen atom a heterocycle with 4 to 7 members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being chosen independently from the $-CR^{44}R^{45}-$, $-O-$, $-S-$ and $-NR^{46}-$ radicals, R^{44} and R^{45} independently representing each time that they occur a hydrogen atom or an alkyl radical, and R^{46} representing a hydrogen atom or an alkyl radical;

20 said process being characterized in that the compound of general formula (K)



(K)

25 in which W represents a sulphur atom or an oxygen atom and R^4 has the same meaning as in general formula (III)₃ or (III)₄ is reacted with an amine of general formula R^1R^2NH in a protic solvent.

4. Process according to claim 3, characterized in that the compound of general formula (III)₃ or (III)₄ is such that:

- R^1 represents a $-(CH_2)-Z-NR^5R^6$ radical;
- R^2 represents a hydrogen atom; and
- R^4 represents an alkyl radical or also a phenyl, pyridyl, thienyl or furanyl radical optionally substituted by 1 to 4 (preferably 1 to 3) halogen atoms or by an $NR^{37}R^{38}$ radical or also R^4 represents a $-CH_2-Ar$ radical in which Ar represents a phenyl or naphthyl radical optionally substituted 1 to 4 times (and preferably 1 to 3 times) by substituents chosen independently from a halogen atom and an alkyl, haloalkyl, alkoxy or haloalkoxy radical.

5 5. Compound corresponding to one of the general formulae (III)₁, (III)₂, (III)₃ and (III)₄ as defined in claims 1 and 3, characterized in that it is chosen from the following 10 compounds:

- 2-(2,6-difluorophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-dichlorothien-3-yl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-dichlorothien-3-yl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 5-{{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;
- 2-(4-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 20 - 2-(2-chloro-6-fluorophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 6-{{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;
- 25 - 6-{{[2-(dimethylamino)ethyl]amino}-2-(1-naphthyl)-1,3-benzothiazole-4,7-dione;
- 2-(1,1'-biphenyl-4-yl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(4-butylphenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2-chloro-6-fluorophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 30 - 6-{{[2-(dimethylamino)ethyl]amino}-2-(2-naphthyl)-1,3-benzothiazole-4,7-dione;
- 6-{{[2-(dimethylamino)ethyl]amino}-2-(2-naphthyl)-1,3-benzothiazole-4,7-dione;

- 2-(2,5-difluorophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-difluorophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 5 - 2-(2-bromophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(3-bromophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 5-{{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzoxazole-4,7-dione;
- 2-(3,5-difluorophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 10 - 2-(2,3-difluorophenyl)-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 5-{{[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;
- 5-{{[2-(dimethylamino)ethyl]amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;
- 15 - 2-benzyl-5-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(3-bromophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(3,5-difluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 5-[(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;
- 20 - 2-(2,5-difluorophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(2-bromophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(3-bromophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(3-chlorophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 25 - 2-(4-bromophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(3,5-dibromophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 6-{{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzoxazole-4,7-dione;
- 2-(3,5-difluorophenyl)-6-{{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 30 - 4,7-dione;

- 2-(2,3-difluorophenyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 6- {[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;
- 5 - 2-(4-bromo-3-methylphenyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 6- {[2-(dimethylamino)ethyl]amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;
- 2-(4-bromo-2-chlorophenyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 10 - 6- {[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trimethoxyphenyl)-1,3-benzoxazole-4,7-dione;
- 2-(3,4-dimethoxyphenyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 2-(2,6-dichlorobenzyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 15 - 2-(2-chloro-6-fluorobenzyl)-6- {[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;
- 6- {[2-(dimethylamino)ethyl]amino}-2-(1-naphthylmethyl)-1,3-benzoxazole-4,7-dione;
- 20 - 2-(2-bromophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(3-bromophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(3-chlorophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(4-bromophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(3,5-dibromophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 25 - 2-(4-fluorophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(3,5-difluorophenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 6- [(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;
- 2-(4-bromo-3-methylphenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 30 - 2-(4-ethylphenyl)-6- [(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(4-bromo-2-chlorophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 6-[(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trimethoxyphenyl)-1,3-benzoxazole-4,7-dione;
- 5 - 2-(3,4-dimethoxyphenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 2-(2-chloro-6-fluorobenzyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 10 - 2-(1,3-benzodioxol-5-yl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;
- 6-{{2-(dimethylamino)ethyl}amino}-2-hexyl-1,3-benzothiazole-4,7-dione;
- or a salt of one of the latter.

6. Compound according to claim 5, characterized in that it is chosen from the following compounds:

- 15 - 2-(2-chloro-6-fluorophenyl)-5-{{2-(dimethylamino)ethyl}amino}-1,3-benzothiazole-4,7-dione;
- 6-{{2-(dimethylamino)ethyl}amino}-2-(2-naphthyl)-1,3-benzothiazole-4,7-dione;
- 6-{{2-(dimethylamino)ethyl}amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;

or a salt of one of these compounds.

20 7. Compound of general formula (III)₁ as defined to claim 1, characterized in that it is chosen from the following compounds:

- 2-(2,6-difluorophenyl)-5-{{2-(dimethylamino)ethyl}amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-dichlorothien-3-yl)-5-{{2-(dimethylamino)ethyl}amino}-1,3-benzothiazole-4,7-dione;
- 25 - 2-(2,5-dichlorothien-3-yl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 5-{{2-(dimethylamino)ethyl}amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;
- 2-(4-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;

30 - 2-(2-chloro-6-fluorophenyl)-5-{{2-(dimethylamino)ethyl}amino}-1,3-benzothiazole-4,7-dione;

- 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;

or a salt of one of the latter.

8. As a medicament, a compound chosen from the compounds of claims 5 to 7, or a
5 pharmaceutically acceptable salt of one of these compounds.

9. Use of a compound according to one of claims 5 to 7, or of a pharmaceutically acceptable salt of one of these compounds, for preparing a medicament intended to treat cancer.

10. Use according to claim 9, characterized in that the cancer is chosen from breast cancer, lymphomas, cancers of the neck and head, lung cancer, cancer of the colon, prostate cancer and cancer of the pancreas.

11. As a novel industrial product, a compound of general formula (A) as defined in claim 1,

it being understood however that if W represents a sulphur atom then R⁴ is not methyl,

15 or a salt of the latter.

12. As a novel industrial product, a compound of general formula (K) as defined in claim 3,

it being understood however that if W represents a sulphur atom then R⁴ is not the phenyl group,

20 or a salt of the latter.